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PTO/SB/21 (08-00)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/778997
		Filing Date	02/08/2001
		First Named Inventor	ZHOU
		Group Art Unit	1711
		Examiner Name	
Total Number of Pages in This Submission	1	Attorney Docket Number	2487-PAT

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD. Number of CD(s) _____ Remarks	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (Please identify below):
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	DONN K. HARMS	
Signature		
Date	February 6, 2002	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date 2/06/02

Typed or printed name	Jane E. Guetz	
Signature		Date 02/06/02



#9

AMENDMENT TRANSMITTALPATENT

Application No.: 09/778,997
Filing Date: February 8, 2001
First Named Inventor Yu Zhou
Examiner's Name: Langel, Wayne A.
Art Unit: 1754
Attorney Docket No.: 006780.P001

An Amendment After Final Action (37 CFR 1.116) is attached and applicant(s) request expedited action.

Charge any fee not covered by any check submitted to Deposit Account No. 02-2666.
 Applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 CFR 1.16 and 1.17, for any concurrent or future reply to Deposit Account No. 02-2666.
 Applicant(s) claim small entity status (37 CFR 1.27).

ATTACHMENTS

Preliminary Amendment
 Amendment/Response with respect to Office Action
 Amendment/Response After Final Action (37 CFR 1.116) (reminder: consider filing a Notice of Appeal)
 Notice of Appeal
 RCE (Request for Continued Examination)
 Supplemental Declaration
 Terminal Disclaimer (reminder: if executed by an attorney, the attorney must be properly of record)
 Information Disclosure Statement (IDS)
 Copies of IDS citations
 Petition for Extension of Time
 Fee Transmittal Document (that includes a fee calculation based on the type and number of claims)
 Cross-Reference to Related Application(s)
 Certified Copy of Priority Document
 Other: Petition to Revive Unavoidably Abandoned Application (37 C.F.R. §1.37(a))
 Other: Petition for Revival of An Application for Patent Abandoned for Failure to Notify Office of Foreign or International Filing
 Check(s)
 Postcard (Return Receipt)

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DEC 16 2003

OFFICE OF PETITIONSSUBMITTED BY:

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

TYPED OR PRINTED NAME: James S. Scheller, Jr.

SIGNATURE:

REG. NO.: 31,195

DATE: 12/9/2003

ADDRESS: 12400 Wilshire Boulevard, Seventh Floor

Los Angeles, California 90025

TELEPHONE NO.: (408) 720-8300

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (if applicable)

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Signature

12/9/03
Date

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(10/14/03)

Send to: COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, Virginia 22313-1450



FEE TRANSMITTAL FOR FY 2004

(FY 2004 Begins 10/01/2003)

TOTAL AMOUNT OF PAYMENT (\$) \$900.00

Complete if Known:

Application No. 09/778,997
 Filing Date February 8, 2001
 First Named Inventor Yu Zhou
 Examiner Name Langel, Wayne A.
 Art Unit 1754
 Attorney Docket No. 006780.P001

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OFFICE OF PETITIONS

Applicant claims small entity status. See 37 CFR 1.27.

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None

Deposit Account

Deposit Account Number : 02-2666

Deposit Account Name: _____

The Director is Authorized to do the following with respect to the above-identified Deposit Account:
 _____ Charge fee(s) indicated below.

Credit any overpayments.

Charge any additional fees during the pendency of this application.

Any concurrent or future reply that requires a petition for extension of time should be treated as incorporating an appropriate petition for extension of time and all required fees should be charged.

_____ Charge fee(s) indicated below except for the filing fee.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee	Fee	Fee	Fee
Code	(\$)	Code	(\$)
1001	770	2001	385
1002	340	2002	170
1003	530	2003	265
1004	770	2004	385
1005	160	2005	80
		Utility application filing fee	_____
		Design application filing fee	_____
		Plant filing fee	_____
		Reissue filing fee	_____
		Provisional application filing fee	_____

SUBTOTAL (1) \$ _____

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims <u>14</u>	$- 14^{**} = 0$	X <u>\$9.00</u>	= <u>\$0.00</u>
Independent Claims <u>4</u>	$- 4^{**} = 0$	X <u>\$43.00</u>	= <u>\$0.00</u>
Multiple Dependent			_____

**Or number previously paid, if greater; For Reissues, see below.

Large Entity	Small Entity	Fee Description
Fee	Fee	Fee
Code	(\$)	Code
1202	18	2202 9
1201	86	2201 43
1203	290	2203 145
1204	86	2204 43
1205	18	2205 9
		Claims in excess of 20
		Independent claims in excess of 3
		Multiple dependent claim, if not paid
		**Reissue independent claims over original patent
		**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 0.00

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FEE CALCULATION (continued)

DEC 16 2003

3. ADDITIONAL FEES

OFFICE OF PETITIONS

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1813	8,800	1813	8,800	Request for inter parties reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive – unavoidable	\$55.00
1453	1,330	2453	665	Petition to revive - unintentional	\$665.00
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$180.00
1809	770	2809	385	For filing a submission after final rejection (see 37 CFR 1.129(a))	
1814	110	2814	55	Statutory Disclaimer	
1810	770	2810	385	For each additional invention to be examined (see 37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
1504	300	1504	300	Publication fee for early, voluntary, or normal pub.	
1505	300	1505	300	Publication fee for republication	
1803	130	1803	130	Request for voluntary publication or republication	
1808	130	1808	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	
1454	1,330	1454	1,330	Acceptance of unintentionally delayed claim for priority	

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$ 900.00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:Typed or Printed Name: James C. Scheller, Jr.Signature: James C. Scheller Date: 12/19/2003Reg. Number: 81,195 Telephone Number: (408) 720-8300

Send to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

DEC 11 2003

\$ DAC
#7

310
11
5
SEARCHED & INDEXED
PETENT & TRADEMARK OFFICE
**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT
ABANDONED FOR FAILURE TO NOTIFY THE OFFICE OF A FOREIGN
OR INTERNATIONAL FILING (37 CFR 1.137(f))**

Docket
Number:
006780.P001

First named inventor: Yu Zhou

Application No.: 09/778,997

Art Unit: 1754

Filed: February 8, 2001

Examiner: Langel, Wayne A.

Title: A PROCESS FOR SYNTHESIZING METAL BOROHYDRIDES

RECEIVED
DEC 16 2003

OFFICE OF PETITIONS

Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450
FAX: (703) 308-6916

NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (703) 305-9282.

The above-identified application became abandoned pursuant to 35 U.S.C. 122(b)(2)(B)(iii) for failure to timely notify the Office of the filing of an application in a foreign country or under a multinational international treaty that requires publication of applications eighteen months after filing. The date of abandonment is the day after the expiration date of the forty-five (45) day period set in 35 U.S.C. 122(b)(2)(B)(iii).

**PURSUANT TO 37 CFR 1.137(f), APPLICANT HEREBY PETITIONS FOR REVIVAL OF
THIS APPLICATION UNDER 37 CFR 1.137(b)**

1. Petition fee

- Small entity-fee \$665.00 (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.
- Other than small entity – fee \$ _____ (37 CFR 1.17(m)).
- The Director is hereby authorized to charge the indicated fees and credit any overpayments to Deposit Account No. 02-2666.
- Fee is enclosed.

2. Notice of Foreign or International Filing (35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c))

Subsequent to the filing of the above-identified application, an application was filed in another country, or under a multinational international treaty (e.g., filed under the Patent Cooperation Treaty), that requires publication of applications eighteen months after filing. The filing date of the subsequently-filed foreign or international application is February 6, 2002.

12/12/03 AU032001 00000026 02770957

101 PCT150

665.00 07

(Page 1 of 2)

SEND COMPLETED FORM TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

STATEMENT: The entire delay in filing the required notice of a foreign or international filing from the due date for the required notice until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE: The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

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12/9/2003

Date



Signature

Telephone

Number: (310) 207-3800

James C. Scheller, Jr.

Typed or Printed Name

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025
Telephone Number: (408) 720-8300

31,195

Registration No.

Enclosures: Fee Payment

Additional Sheets containing statements establishing unintentional delay

Other: _____

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

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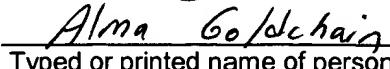
transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 308-6916.

12/9/03

Date



Signature



Typed or printed name of person signing certificate



Attorney's Docket No. 006780.P001

PATENT

#8

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Yu Zhou

Application No.: 09/778,997

Filed: February 8, 2001

For: A PROCESS FOR SYNTHESIZING
METAL BOROHYDRIDES

RECEIVED

Examiner: Langel, Wayne A. DEC 16 2003

Art Unit: 1754

OFFICE OF PETITIONS

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

12/16/2003 AHONDAF1 00000002 09778997

01 FC:2452

55.00 OP

PETITION TO REVIVE UNAVOIDABLY ABANDONED
APPLICATION UNDER STATEMENT 37 C.F.R. §1.37(a)

Sir:
-55.00 OP

Applicant hereby petitions to revive this unavoidably abandoned application under Rule 1.137(a). The supporting facts are set out in the attachment which was prepared by Applicant's prior attorney, Donn K. Harms. In summary, the Office Action was mailed to an incorrect address and was thus not received. The undersigned understands that the Office Action was sent to a former address of the inventor, and that the Office Action was sent after a Power of Attorney (to Applicant's prior attorney) and change of address had been

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Alma Goldchain
(Typed or printed name of person mailing correspondence)

Alma Goldchain
(Signature of person mailing correspondence)

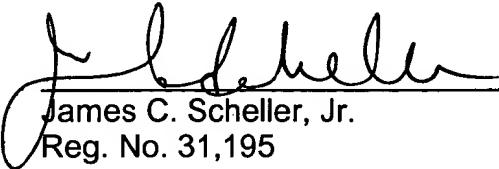
received by the Patent Office. The undersigned further understands that the inventor and Applicant's prior attorney did not receive this mailing of the Office Action.

Thus, this application should be revived as the abandonment could not be avoided.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: 12/9, 2003



James C. Scheller, Jr.
Reg. No. 31,195

12400 Wilshire Blvd.
Seventh Floor
Los Angeles, CA 90025
(408) 720-8300

**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED
UNAVOIDABLY UNDER 37 CFR 1.137(a)**

Docket Number (Optional)

2487-PAT

First Named Inventor: YU ZHOU

Art Unit: 1754

Application Number: 09/778,997

Examiner: LANGEI, WAYNE A.

Filed: 02/08/2001

Title: PROCESS FOR SYNTHESIZING METAL BOROHYDRIDES

Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NOTE: If information or assistance is needed in completing this form, please contact
Petitions Information at (703) 305-9382.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Office notice or action plus any extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION.

NOTE: A grantable petition requires the following items:

- (1) Petition fee.
- (2) Reply and/or issue fee.
- (3) Terminal disclaimer with disclaimer fee-required for all utility and plant applications filed before June 8, 1995, and for all design applications; and
- (4) Adequate showing of the cause of unavoidable delay.

1. Petition fee

Small entity – fee \$ 55.00 (37 CFR 1.17(i)). Applicant claims small entity status.
See 37 CFR 1.27.

Other than small entity – fee \$ _____ (37 CFR 1.17(i)).

2. Reply and/or fee

A. The reply and/or fee to the above-noted Office action in the form of
Amendment/response (identify the type of reply):

has been filed previously on _____.

is enclosed herewith.

B. The issue fee of \$ _____

has been filed previously on _____.

is enclosed herewith.

[Page 1 of]

This collection of information is required by 37 CFR 1.137(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED
UNAVOIDABLY UNDER 37 CFR 1.137(a)**

3. Terminal disclaimer with disclaimer fee

Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.

A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ _____ for a small entity of \$ _____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. An adequate showing of the cause of the delay, and that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition under 37 CFR 1.137(a) was unavoidable, is enclosed.

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Date_____
Signature

858-509-1400

DONN K. HARMS

Telephone Number

Typed or printed name

38,911

12702 Via Cortina, Ste. 100

Registration Number, if applicable

Address

Del Mar, CA 92014

Address

Enclosure

Fee Payment

Reply

Terminal Disclaimer Form

Additional sheets containing statements establishing unavoidable delay

CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))

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transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 308-6916.

Date_____
Signature

DONN K. HARMS

Typed or printed name of person signing certificate

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED
UNAVOIDABLY UNDER 37 CFR 1.137(a)**

NOTE: The following showing of the cause of unavoidable delay must be signed by all applicants or by any other party who is presenting statements concerning the cause of delay.

Date
38,911

Signature
DONN K. HARMS

Registration Number, if applicable

Typed or printed name

(In the space provided below, please explain in detail the reasons for the delay in filing a proper reply.)

On July 8, 2003, applicant's attorney received a telephone call from Examiner Wayne Langel, Art Unit 1754 inquiring as to whether applicant intentionally abandoned the subject application. He stated that it had been abandoned because of applicant's failure to respond to an office action dated December 4, 2002.

Applicant's attorney never received said office action because it was mailed by the USPTO to the wrong address.

On February 6, 2002, prior to the examination, applicant's attorney mailed an Amendment Before Examination and a Power of Attorney, Change of Correspondence Address to the US Patent Office. Examiner Langel acknowledges that the Amendment Before Examination is in the file and his office action of December 4, 2002, addresses said Amendment Before Examination. Attached are copies of said Amendment and Power of Attorney, the Transmittal Form with a Certificate of Mailing dated February 6, 2002, and a copy of the returned postcard with a USPTO date stamp of February 22, 2002.

Since the USPTO received the change of correspondence address prior to the first office action, that office action should have been mailed to applicant's attorney. Instead, the office action was mistakenly mailed to the former address of the applicant who had moved. It was thus never received by applicant or at the proper new address of applicant's attorney.

On July 8, 2008, Examiner Langel faxed a copy of said office action to applicant's attorney and the amendment and response to said office action is attached hereto.

Applicant's attorney respectfully requests that said application be revived because of the error of the Patent Office in mailing the office action to the wrong address.

(Please attach additional sheets if additional space is needed.)



Attorney's Docket No. 006780.P001

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Yu Zhou

Application No.: 09/778,997

Filed: February 8, 2001

For: A PROCESS FOR SYNTHESIZING
METAL BOROHYDRIDES

Examiner: Langel, Wayne A.

Art Unit: 1754

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

Please enter the following response to the Office Action mailed December 4, 2002.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on 12/9/03.

(Date of Deposit)

Alma Goldchain (Typed or printed name of person mailing correspondence)

Alma Goldchain (Signature of person mailing correspondence)

IN THE CLAIMS

Please cancel without prejudice claims 13-26 and add the following:

Claims 13-26 cancelled.

27. (New) A process for synthesizing metal borohydride alkali solutions which comprises:

synthesizing a carrier powder for proton H;
bonding hydrogen to said carrier powder;
producing metal borohydride powder from said carrier powder;
treating said metal borohydride powder with an alkali solution to produce a metal borohydride alkali solution.

28. (New) The process according to claim 27 wherein synthesizing a carrier powder for proton H comprises:

forming a mixture of a metal that is capable of forming hydrides with hydrogen with less than about 50 wt% of a hydrogen storage alloy;
mechanically pulverizing said mixture;
mechanically mixing the resulting pulverized mixture with less than about 100 wt% of alkali compounds; and
subjecting the resulting mixture to water vapor at less than one atmosphere for less than about 48 hours to produce a proton H carrier powder.

29. (New) The process according to claim 27 wherein synthesizing a carrier powder for proton H comprises:

forming a mixture of a metal with less than about 10 wt% carbon black coated with a metal selected from the group consisting of a platinum, palladium and mixtures and alloys thereof; and

mechanically pulverizing said mixture.

30. (New) The process according to claim 27 wherein bonding hydrogen to said proton H carrier powder comprises subjecting said proton H carrier powder to hydrogen gas at a pressure of less than about 50 atmospheres at a temperature from ambient to about 400°C for less than 48 hours so that hydrogen is carried by said carrier powder.

31. (New) The process according to claim 27 wherein producing a metal borohydride powder from said proton H carrier powder comprises mixing a quantity of said proton H carrier powder with a non-aqueous metal boron oxide or borax and pulverizing the resulting mixture for less than 48 hours under hydrogen gas at a pressure of less than about 50 atmospheres so that a metal borohydride powder is produced.

32. (New) The process according to claim 27 wherein treating of said metal borohydride powder with an alkali solution comprises adding said metal borohydride powder to an alkali solution; and filtering out precipitates, leaving metal borohydride alkali solution.

33. (New) A process for synthesizing substantially pure metal borides which comprises:

synthesizing a carrier powder for proton H;
bonding hydrogen to said carrier powder;
producing a metal borohydride powder from said carrier powder;
dissolving said borohydride powder with a suitable solvent;
filtering precipitates; and

evaporating said suitable solvent to leave substantially pure metal borohydride.

34. (New) The process according to claim 33 wherein synthesizing a carrier powder for proton H comprises:

forming a mixture of metal that is capable of forming hydrides with hydrogen with less than about 50 wt% of a hydrogen storage alloy;
mechanically pulverizing said mixture;
mechanically mixing the resulting pulverized mixture with less than about 100 wt% of alkali compounds; and

subjecting the resulting mixture to water vapor at less than one atmosphere for less than about 48 hours to produce a proton H carrier powder.

35. (New) The process according to claim 33 wherein synthesizing a carrier powder for proton H comprises:

forming a mixture of metal with less than about 10 wt% carbon black coated with a metal selected from the group consisting of platinum, palladium and mixtures and alloys thereof; and
mechanically pulverizing said mixture.

36. (New) The process according to claim 33 wherein bonding hydrogen to said proton H carrier powder comprises subjecting said proton H carrier powder to hydrogen gas at a pressure of less than about 50 atmospheres at a temperature from ambient to about 400°C for less than about 48 hours so that hydrogen is carried by said carrier powder.

37. (New) The process according to claim 33 wherein producing a metal borohydride powder from said carrier comprises mixing a quantity of said proton

H carrier powder with a non-aqueous metal boron oxide or borax and pulverizing the resulting mixture for less than about 48 hours under hydrogen gas at a pressure of up to about 50 atmospheres so that a metal borohydride powder is produced.

38. (New) The process according to claim 33 including forming a substantially pure metal borohydride by dissolving said metal borohydride powder into a liquid that can dissolve metal borohydrides;

filtering the resulting solution; and
evaporating the resulting liquid to obtain substantially pure metal borohydride.

39. (New) The process of synthesizing metal borohydrides which comprises:

forming a mixture of a metal that is capable of forming hydrides with hydrogen with less than about 50 wt% of a hydrogen storage alloy;
mechanically pulverizing said mixture;
mechanically mixing the resulting pulverized mixture with less than about 100 wt% of alkali compounds;

subjecting the resulting mixture to water vapor at less than one atmosphere for less than about 48 hours to produce a proton H carrier powder;
subjecting said proton H carrier powder to hydrogen gas at a pressure of less than about 50 atmospheres at a temperature from ambient to about 400°C for less than about 48 hours so that hydrogen is carried by said carrier powder;
mixing a quantity of said carrier powder with metal boron oxide or borax and pulverizing the resulting mixture for less than about 48 hours under

hydrogen gas at a pressure of less than 50 atmospheres so that a metal borohydride powder is produced;

 adding said metal borohydride powder to an alkali solution; and
 filtering out precipitates, leaving a metal borohydride alkali solution.

40. (New) The process of synthesizing substantially pure metal borohydride which comprises:

 forming a mixture of a metal that is capable of forming hydrides with hydrogen with less than about 50 wt% of a hydrogen storage alloy;
 mechanically pulverizing said mixture;
 mechanically mixing the resulting pulverized mixture with less than about 100 wt% of alkali compounds;
 subjecting the resulting mixture to water vapor at less than one atmosphere for less than about 48 hours to produce a proton H carrier powder;
 subjecting said proton H carrier powder to hydrogen gas at a pressure of less than about 50 atmospheres at a temperature from ambient to about 400°C for less than about 48 hours so that hydrogen is carried by said carrier powder;
 mixing a quantity of said carrier powder with boron oxide or borax and pulverizing the resulting mixture for less than about 48 hours under hydrogen gas at a pressure of up to about 50 atmospheres so that a metal borohydride powder is produced;
 dissolving said metal borohydride powder into a liquid that can dissolve metal borohydrides;
 filtering the resulting solution; and
 evaporating said liquid to obtain substantially pure metal borohydride.

REMARKS AND PETITION TO REVIVE

As the Examiner knows, the pending Office Action was mailed to an incorrect address, and as a result, the Office Action was not received by Applicant or Applicant's prior attorney and no response has previously been filed.

Applicant hereby requests and petitions under 37 C.F.R. 1.137(a) for revival of this unavoidably abandoned application. The supporting facts are set out in the accompanying attachment which was prepared by the Applicant's prior attorney, Donn K. Harms. Applicant has included a check for the small entity fee required for this petition. Please charge our deposit account 02-2666 for any shortage in fees required to revive this application.

The Office Action rejected the claims 13-26 only under 35 § 112(2). In particular, the Office Action stated that, with respect to claims 13 and 19, there was no clear antecedent basis for "said carrier," and the Office Action stated that, with respect to claim 19, the words "filter" and "evaporate" should be respectively changed to "filtering" and "evaporating," and the Office Action stated that the term "suitable" rendered the claims vague and indefinite. The Office Action also requested that claims 13-26 should be resubmitted as new claims 27-40 without underlining. Finally, the Office Action noted that the application disclosed allowable subject matter.

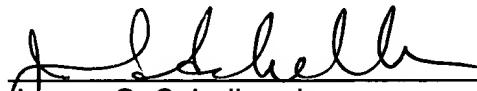
In this response, the Applicant has submitted new claims 27-40, without underlining as requested by the Examiner. The Examiner's comments about claims 13 and 19 have been addressed in new claims 27 and 33; claims 27 and 33 do not include the term "said carrier" by itself and "filter" and "evaporate" have

been changed as requested. The word "suitable" is not used in the claims. Thus, all of the Examiner's comments have been addressed and the claims are in condition for allowance, which is respectfully requested.

Respectfully submitted,

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